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U. S. DEPARTMENT OF AGRICULTURE.

BUREAU OF ANIMAL INDUSTRY.

CHECK LIST OF THE ANIMAL PARASITES OF TURKEYS.

(Meleagris gallopavo mexicana.)

This check list is taken from the card catalogue of the Zoological Laboratory, Bureau of Animal Industry, and contains all of the animal parasites of the domesticated turkey recorded up to the present time, so far as it has been possible to trace them in veterinary and zoological literature. The generic names are printed in brevier antique lower case, ex., *Amœba*; the generally accepted specific names are given in brevier small caps under the generic name, ex., MELEAGRIDIS; synonyms, accepted upon the authority of various authors, are printed in brevier italics and cross referenced to the name adopted for the parasite by the most recent authorities, ex., "*Fasciola trachea* see SYNGAMUS TRACHEALIS."

In the present list I do not commit myself to the validity of any species or genus, or to the validity of any specific or generic name. The names given are those adopted by the most recent authorities, but it will be years before all of these forms can be properly studied. In a few cases I have adopted here the "generally accepted name," even if it is apparently not the first available name, as I consider it better to make changes in nomenclature only when the literature can be given. An historical review of the species is, however, out of the question in a check list of this kind.

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Approved:

J. STERLING MORTON, *Secretary*.

WASHINGTON, D. C., April 29, 1896.

PROTOZOA (UNICELLULAR ANIMALS).

Amœba Ehrenberg, 1830

MELEAGRIDIS T. Smith, 1895.....Cæcum and liver

TREMATODA (FLUKES).

Fasciola Linnæus, 1758*trachea* see SYNGAMUS TRACHEALIS.*Monostomum* Zeder, 1800 (also *Monostoma*)

MUTABILE Zeder, 1800.....Cæcum

CESTODA¹ (TAPEWORMS).*Tænia* (s. l.) Linnæus, 1758

CANTANIANA Polonio, 1860.....Intestine

sp. (Coll. B. A. I.).....Intestine

¹For a discussion of these parasites see Stiles' Report upon the Present Knowledge of the Tape-worms of Poultry, Bull. 12, Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C.

NEMATODA (ROUND WORMS).

Ascaris Linnæus, 1758

- funiculus* see HETERAKIS PERSPICILLUM.
gallopavonis see " "
gibbosa see " "
inflexa see " "
papillosa see " PAPILLOSA.
perspicillum see " PERSPICILLUM.
teres see " "
vesicularis see " PAPILLOSA.

Fusaria Zeder, 1800

- reflexa* see HETERAKIS PERSPICILLUM.
strumosa see " "

Heterakis Dujardin, 1845

- inflexa* see HETERAKIS PERSPICILLUM.
 PAPILLOSA (Bloch, 1782) Railliet, 1885.....Intestine
 1782, *Ascaris papillosa* Bloch [*nec* Molin, 1860].
 1791, *A. vesicularis* Frölich pro parte.
 1845, *Heterakis vesicularis* (Frölich, 1791) Dujardin.
 PERSPICILLUM (Rudolphi, 1803) Railliet, 1893.....Intestine
 †1782, *Ascaris teres* Goeze pro parte.
 †1790, *Ascaris gallopavonis* Gmelin.
 1800, *Fusaria reflexa* Zeder pro parte.
 1800, *F. strumosa* Zeder.
 1803, *Ascaris perspicillum* Rudolphi.
 1809, *A. gibbosa* Rudolphi.
 1819, "*A. inflexa* Zeder," 1800 of Rudolphi [*nec* Zeder].
 1824, *A. funiculus* E. Deslongchamps.
 1866, "*Heterakis inflexa* (Rudolphi," 1819) Schneider.
vesicularis see HETERAKIS PAPILLOSA.

Sclerostomum Blainville, 1828 (also **Sclerostoma**)

- syngamus* see SYNGAMUS TRACHEALIS.

Strongylus Müller, 1780

- trachealis* see SYNGAMUS TRACHEALIS.

Syngamus Siebold, 1836

- primitivus* see SYNGAMUS TRACHEALIS.
 TRACHEALIS Siebold, 1836.....Trachea
 1811, *Fasciola trachea* Montagu.
 1846, *Strongylus trachealis* (Siebold, 1836) Creplin.
 1851, *Sclerostomum syngamus* Diesing.
 1860, *Syngamus primitivus* Molin.

ARACHNIDA (MITES).

Acarus Linnæus, 1758

- gallinæ* see DERMANYSSUS GALLINÆ.

Dermanyssus Dugès, 1834

- avium* see DERMANYSSUS GALLINÆ.
 GALLINÆ (Degeer, 1771) Koch.....External
 [1674, *Pulex gallinæ* Redi].
 1771, *Acarus gallinæ* Degeer.
 1834, *Dermanyssus avium* Dugès.
 1844, *D. gallopavonis* Gervais.
gallopavonis see DERMANYSSUS GALLINÆ.

Dermatoryctes Ehlers, 1873 (also **Dermatorkytes**).

- mutans* see SARCOPTES MUTANS.

Epidermoptes*cysticola* see LAMINOSIOPTES CYSTICOLA.**Freyana** G. Haller, 1878/7CHANAYI... *Transact. 1895, p. 114-115*..... External**Knemidokoptes** Fürstenberg, 1870*viviparus* see SARCOPTES MUTANS.**Laminosioptes** Mégnin, 1880

CYSTICOLA (Vizioli, 1868) Railliet, 1893..... External

1868, *Sarcoptes cysticola* Vizioli.1880, *Laminosioptes gallinarum* Mégnin.1880, *Epidermoptes cysticola* (Vizioli, 1868) Rivolta.1885, *Symplectoptes cysticola* (Vizioli, 1868) Railliet.*gallinarum* see LAMINOSIOPTES CYSTICOLA.**Sarcoptes** Latreille, 1806

MUTANS Robin & Lanquetin, 1859..... External

1870, *Knemidokoptes viviparus* Fürstenberg.1873, *Dermatoryktes mutans* (Robin & Lanquetin, 1859) Ehlers.*cysticola* see LAMINOSIOPTES CYSTICOLA.**Symplectoptes** Railliet, 1885*cysticola* see LAMINOSIOPTES CYSTICOLA.**INSECTA (INSECTS).*** **Goniodes** Nitzsch, 1818*meleagris* see GONIODES STYLIFER.

STYLIFER Nitzsch, 1818.

1781, "*Pediculus meleagris* Schrank" [*nec* Linnæus, 1758].—?—, *Rhopaloceras styliferum* O. Taschenberg.1895, "*Goniodes meleagris* (Schrank," 1781) Railliet.* **Lipeurus** Nitzsch, 1818

MELEAGRIS (Linnæus, 1758) Railliet, 1895..... External

1758, *Pediculus meleagris* Linnæus [*nec* Schrank, 1781].* **Menopon** Nitzsch, 1818

BISERIATUM Piaget, 1880..... External

STRAMINEUM Nitzsch, 1818..... External

Pediculus Linnæus, 1758*meleagris* see GONIODES STYLIFER.*meleagris* see LIPEURUS MELEAGRIS.**Rhopaloceras.***styliferum* see GONIODES STYLIFER.

* The genera *Goniodes* and *Lipeurus* were established as subgenera of the genus *Philopterus* by Nitzsch in 1818. The genus *Menopon* as a subgenus of *Liotheum*. Recent authors have erroneously attributed these genera to Nitzsch. Who was responsible for the genera it is difficult to determine at present, without consulting a vast amount of literature which is not at my command. Many of the species mentioned by Nitzsch in 1818 are *nomina nuda*, and if not figured or described in other papers in that year will have to take another date and perhaps another name according to the International Rules of Nomenclature. The determination of these details should be made by entomologists.